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STATE DOCUMENTS

STATE OF MONTANA

DEPARTMENT OF LIVESTOCK

Animal Health Division

Helena, Montana 59601

Telephone (406) 449-3074

STATISTICAL DATA

for the

Fiscal Year Ended June 30, 1972

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STATE OF MONTANA
DEPARTMENT OF LIVESTOCK
Animal Health Division
Helena, Montana 59601

November 1, 1972

Members of the Board of Livestock

Livestock Building

Capitol Grounds

Helena, Montana 59601

Gentlemen:

I am pleased to transmit to you the "Statistical Data" report of the Department of Livestock, Animal Health Division, for the fiscal year ended June 30, 1972.

Sincerely yours,

J. W. SAFFORD, D.V.M.

Administrator and State Veterinarian

JWS/jc

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OFFICER Term of Office	Home Address
THOMAS EVANS, Chairman 3/1/69 -- 3/1/75	Stanford, Montana 59479
BOB BARTHELMESS, Member 3/1/71 -- 3/1/77	% Powderville Stage, Miles City, Montana 59301
JESS BLANKENSHIP, Member 3/1/69 -- 3/1/75	Crow Agency, Montana 59022
WILFORD JOHNSON, Member 3/1/67 -- 3/1/73	Hall, Montana 59837
F. T. SAYLOR, Member 3/1/67 -- 3/1/73	Choteau, Montana 59422
ROBERT SIMONS, Member 3/1/71 -- 3/1/77	Turner, Montana 59542

STAFF OFFICERS

J. W. SAFFORD, D.V.M. ..... Administrator and State Veterinarian

GLENN C. HALVER, D.V.M. ..... Chief, Disease Control Bureau

BECKWITH HUBBELL, JR., D.V.M. ..... Chief, Diagnostic Laboratory Bureau

HERB BALLOU, M.S. ..... Supervisor, Dairy & Milk Inspection Section

THOMAS F. LOFTHOUSE, M.S. ..... Supervisor, Egg & Poultry Inspection Section

PRINCIPAL OFFICES

DEPARTMENT OF LIVESTOCK, ANIMAL HEALTH DIVISION ..... Livestock Building, Capitol Grounds, Helena

DIAGNOSTIC LABORATORY ..... Hadleigh Marsh Laboratories, Montana State University, Bozeman

MONTANA BOARD OF LIVESTOCK MEETINGS

September 22, 1971 (Final meeting as Montana Livestock Sanitary Board)..... Helena

December 6, 1971..... Miles City

March 3, 1972..... Helena

May 16 and 18, 1972..... Helena

OFFICIAL REGULATIONS ADOPTED, REVISED AND RESCINDED

Adopted:

Chapter 39, "Manufactured Dairy Products"; effective July 1, 1972.

Chapter 40, "Licensing Milk and Cream Testers"; effective July 1, 1972.

Chapter 41, "Licensing Milk and Cream Graders, Weighers and Samplers; effective July 1, 1972.

Chapter 42, "Eggs Offered for Sale and Standards, Grades and Weight Classes for Shell Eggs"; effective July 1, 1972.

Chapter 43, "Licensing Egg Graders"; effective July 1, 1972.

Revised:

Regulation 307, "Breeding Animals Sold, Offered for Sale or Presented for Show and Exhibition to be Free of Brucellosis"; effective January 1, 1972.

Regulation 310.B., "Testing requirements for Validated Brucellosis-Free Herd"; effective March 10, 1972.

Regulation 306, "Removal of Brucellosis Herd Quarantine"; effective May 16, 1972.

Rescinded:

Regulation 307, "Breeding Animals Sold, Offered for Sale or Presented for Show and Exhibition to be Free of Brucellosis"; effective January 1, 1972.

Regulation 310.B., "Testing requirements for Validated Brucellosis-Free Herd"; effective March 10, 1972.

Regulation 306, "Removal of Brucellosis Herd Quarantine"; effective May 16, 1972.

LICENSES AND PERMITS ISSUED

Licenses:

Artificial Inseminators	525	
Baby Chick and/or Poult Dealers	11	
Butter and Cheese Wholesalers	67	
Cream Stations	8	
Dairies -- Fluid Milk	330	
Dairies -- Milk for Manufacturing Purposes	180	
Egg Dealers	249	
Egg Graders	90	
Garbage Feeders	5	
Hatcheries	6	
Hatching Egg Producers	9	
Meat Depots	10	
Meat Packing Houses	64	
Milk Plants -- Fluid Milk	25	
Milk Plants -- Manufactured Dairy Products	39	
Oleomargarine Wholesalers	61	
Rendering Plants	9	
Slaughterhouses	45	
Testers, Graders, Weighers, Samplers of Milk	151	
Total Licenses Issued		1,884

Permits:

Milk Distributors	122	
Poultry Shipping (Chicks and hatching eggs)	44	
Semen for Artificial Insemination	1,003	
Total Permits Issued		1,169
TOTAL LICENSES AND PERMITS ISSUED		3,053

SUMMARY OF LABORATORY TESTS BY TYPE OF TEST

TYPE OF TEST			NUMBER
Autopsies		861	
*Bacteriology & Chemical Tests on Milk and Milk Products:			
In compliance	18,052		
Not in compliance	1,391		
Total		19,443	
Bacteriology, Parasitology, Pathology and Virology:			
Positive	4,788		
Negative	3,977		
Inconclusive	1,278		
Total		10,043	
Chemical:			
Blood	1,301		
Nitrate	134		
Pesticide residue	171		
Toxicology	428		
Water	154		
Miscellaneous	5		
Total		2,193	
Serology (Tests performed at Diagnostic Laboratory):		141,056	
SUB-TOTAL			173,596
P L U S :			
Serology (Tests performed in Field & at Livestock Markets):			
Brucellosis tests (card) -- Cattle		54,806	
" " (plate) -- "		1,235	
" " (card) -- Swine		2,043	
" " (plate) -- "		1	
Pullorum tests -- Chickens		6,606	
SUB-TOTAL			64,691
TOTAL LABORATORY TESTS BY TYPE OF TEST			238,287

*Includes Wisconsin Mastitis Tests.

SUMMARY OF LABORATORY TESTS BY SPECIES, PRODUCT OR MATERIAL

SPECIES, PRODUCT OR MATERIAL	NUMBER	PERCENT
Cattle	142,053	81.83
Milk and milk products	22,906	13.19
Swine	5,135	2.96
Dogs	836	.48
Meat meal	378	.22
Horses	359	.21
Sheep	293	.17
Water	293	.17
Cats	274	.16
Deer	113	.07
Chickens	109	.06
Skunks	52	.03
Hawks	51	.03
Bats	44	.02
Bison	40	.02
Mice	31	.02
Goats	29	.02
Quail	26	.01
Turkeys	23	.01
Gophers	22	.01
Pheasants	22	.01
Bears	21	.01
Birds	21	.01
Rabbits	19	.01
Muskrats	18	.01
Meat and meat products	17	.01
Raccoons	16	.01
Hamsters	13	.01
Foxes	11	.01
Coyotes	10	.01
Rats	10	.01
Dirt	8	.04
Canaries	7	
Chipmunks	7	
Guinea pigs	7	
Gerbils	6	
Magpies	6	
Ducks	5	
Grain	5	
Guinea hens	5	
Mink	5	
Parrots	5	
Squirrels	5	
Urinary calculi	5	
Miscellaneous	275	.16
TOTAL LABORATORY TESTS BY SPECIES, PRODUCT OR MATERIAL	173,596	100.00

AUTOPSIES PERFORMED REPORT

SPECIES	NUMBER
Antelope	1
Badgers	2
Bats	25
Bears	2
Bird	1
Canaries	6
Cats	50
Cattle	125
Chickens	42
Chipmunks	2
Coyotes	5
Dogs	62
Ducks	3
Ferret	1
Fetuses:	
Bovine	178
Equine	3
Foxes	6
Geese	2
Gerbils	3
Gophers	14
Grouse	4
Guinea hens	2
Guinea pig	1
Hamsters	7
Hawks	2
Horses	5
Magpies	6
Mice	13
Mink	1
Muskrats	10
Parakeets	2
Parrots	3
Pheasants	6

SPECIES	NUMBER
Quail	17
Rabbits	8
Raccoons	7
Rats	3
Sheep	48
Skunks	27
Sparrows	2
Squirrels	2
Swine	136
Turkeys	16
TOTAL AUTOPSIES PERFORMED	861

BACTERIOLOGY AND CHEMICAL TESTS ON MILK AND MILK PRODUCTS

TYPE OF TEST	IN COMPLIANCE	NOT IN COMPLIANCE
BACTERIOLOGY TESTS		
Buttermilk:		
Antibiotic detection tests	138	0
Coliform counts	134	4
Cottage Cheese:		
Antibiotic detection tests	32	0
Coliform counts	21	11
Cream:		
Antibiotic detection tests	459	1
Bacterial counts	407	41
Brucella abortus ring tests	2	0
Coliform counts	440	36
Egg Nog:		
Antibiotic detection tests	12	0
Bacterial counts	7	5
Coliform counts	9	3
Milk:		
Antibiotic detection tests	3,626	16
Bacterial counts	3,372	223
Brucella abortus ring tests	2,476	7
Coliform counts	2,922	740
SUB-TOTAL	14,057	1,087

Bacteriology and Chemical Tests on Milk and Milk Products

TYPE OF TEST	IN COMPLIANCE	NOT IN COMPLIANCE
CHEMICAL TESTS		
Buttermilk	137	3
Cottage Cheese	35	3
Cream	428	32
Egg Nog	12	0
Milk:		
General Chemical	1,065	136
*Wisconsin Mastitis Tests	2,318	130
SUB-TOTAL	3,995	304
TOTAL BACTERIOLOGY AND CHEMICAL TESTS ON MILK AND MILK PRODUCTS	18,052	1,391

*

Values in mms	5	10	15	16	17	18	19	20	21	22	23	24	25	30
Samples tested	578	872	538	94	103	74	59	47	20	25	10	8	12	8

BACTERIOLOGY, PARASITOLOGY, PATHOLOGY AND VIROLOGY REPORT

POSITIVE FINDINGS	BAT	BEAR	CAT	CATTLE	CHICKEN	CHINCHILLA	DEER	DOG	ELK	GERBIL	GUINEA PIG	HORSE	MOUSE	RABBIT	SHEEP	SKUNK	SWINE	WATER	MISCELLANEOUS Specimen	MISCELLANEOUS No.
Abcess				3				1	1			1			1					
Abcess, brain				1																
Abomasitis				2																
Acanthocephalans																			Hawk	10
Acariasis																	1			
Achromobacter sp								1												
Actinobacillus actinomycetemcomitans				2																
Adenocarcinoma				1				3												
Adenoma								3												
Adenomatosis, pulmonary				1																
Aerobacter aerogenes				2				1									9			
" sp																			Meat Meal	1
Alcaligenes faecalis				2																
" metalcaligenes																	1			
Alternaria sp			1	1				1				3							Oat Hay	1
Anaplasma bodies				14																
" sp				1																
Anemia			2														3			
" , Iron deficiency																	1			
Anomaly, genetic																			Quail	1
Arthritis								1												
Ascaridia sp				1																
Ascaris sp																	2			
" suum																	1			
Aspergillus sp			1	5				3				1			1		1		Oat Hay	1
" "																			Pheasant	1
Asphyxiation				1																
Astrocytoma								1												

Bacteriology, Parasitology, Pathology and Virology Report

Positive Findings	BAT	BEAR	CAT	CATTLE	CHICKEN	CHINCHILLA	DEER	DOG	ELK	GERBIL	GUINEA PIG	HORSE	MOUSE	RABBIT	SHEEP	SKUNK	SWINE	WATER	MISCELLANEOUS Specimen	MISCELLANEOUS No.
Atrophic rhinitis.....																	26			
Atrophy, turbinate.....																	2			
Autolysis.....				4																
Bacillary hemoglobinuria..				1																
Bacillus cereus.....			2	7				1				3			1		1		Rat	1
" sp.....			5	437	3			16			1	8			18		40		Bison	1
" "																			Chipmunk	1
" "																			Floor substance	1
" "																			Guinea hen.	1
" "																			Hawk	1
" "																			Mink	1
" "																			Pheasant	1
" "																			Silage	1
" subtilis.....				7				1									1			
Bacteriemia.....				1								1								
Blind.....					1															
Blood Urea Nitrogen.....			4					1												
Bordetella bronchiseptica.																	58			
Borellia sp.....																	1			
Bovine Virus Diarrhea.....				72																
Brain, normal.....				1																
Brisket Disease.....				4											1					
Bronchopneumonia.....				3																
Cachexia.....															1		1			
Candida parapsilosis.....			1																	
" sp.....				1															Pheasant	1
Capillarids.....																			Hawk	10
Carcinoma.....				1		1		7				1								
" , squamous cell..								1												
" , thyroid.....				1																

Bacteriology, Parasitology, Pathology and Virology Report

Positive Findings	BAT	BEAR	CAT	CATTLE	CHICKEN	CHINCHILLA	DEER	DOG	ELK	GERBIL	GUINEA PIG	HORSE	MOUSE	RABBIT	SHEEP	SKUNK	SWINE	WATER	MISCELLANEOUS Specimen	MISCELLANEOUS No.
Cardiobacterium hominis...																	1			
Circulatory collapse.....												1								
Cirrhosis, portal.....				2																
Citrobacter sp.....				3													1	1		
Cladosporium sp.....			1					1				1								
Clostridium aerofoetidum..				1																
" bifermentans..				2																
" butyricum.....				2											2					
" capitovale....				3																
" chauvoei.....				27																
" cochlearium...				1																
" difficilis....				1																
" fallax.....				2										1						
" hemolyticum...				2																
" innocuum.....				1																
" perfringens...				57								2			3					
" ", Type A....				1																
" ", Type B....				3											1					
" ", Type C....				2																
" ", Type D....															1					
" ", Type E....				1																
" septicum.....				5																
" sordellii.....				21																
" sphenoides....				3											2					
" sporogenes....				1																
" sporotrichum..				1																
" tertium.....															1					
" tetanomorphum.				4																
Coccidia oocysts.....				1																
Coccidiosis.....				1																

Bacteriology, Parasitology, Pathology and Virology Report

Positive Findings	BAT	BEAR	CAT	CATTLE	CHICKEN	CHINCHILLA	DEER	DOG	ELK	GERBIL	GUINEA PIG	HORSE	MOUSE	RABBIT	SHEEP	SKUNK	SWINE	WATER	MISCELLANEOUS Specimen	MISCELLANEOUS No.
Coccidium sp.....				1	2															
Coligranuloma.....					1															
Colitis.....				1																
Congestion.....				3																
" , pulmonary.....				2																
" , splenic.....				1				1												
Corynebacterium bovis.....				14				1				2			1		2			
" diphtheriae								1												
" equi.....				2							1						6			
" hemolyticum				1																
" hoagii.....																	1			
" murisepticum				1																
" murium.....																	1			
" pseudodiphtheriticum.																	1			
" pseudotuberculosis				1																
" pyogenes...				2											1		2			
" renale.....				5													1			
" sp.....				27				1							1					
" striatum...				2											1		1			
" ulcerans...				1																
" xerosis....				1																
Cotyledon, normal.....				2																
Cyst.....			1																	
" , epidermal.....								2												
" , epidermoid.....								3												
" , hyperplasia.....																	1			
Cysticercus tenuicollis...															1					
Cystitis.....			1																	

Bacteriology, Parasitology, Pathology and Virology Report

Positive Findings	BAT	BEAR	CAT	CATTLE	CHICKEN	CHINCHILLA	DEER	DOG	ELK	GERBIL	GUINEA PIG	HORSE	MOUSE	RABBIT	SHEEP	SKUNK	SWINE	WATER	MISCELLANEOUS Specimen	MISCELLANEOUS No.
Deficiency, calcium-phosphorous																	1			
Degeneration, fatty.....			1																	
" , neuronal....																	1			
Demodex.....				1																
Dermacentor albipictus....												1								
Dermatitis.....								2				1								
" , eosinophilic..												1								
Dictyocaulus viviparus....				1																
Dirofilaria immitis.....								1												
Distemper.....								7												
Dysentery.....																	4			
Ecthyma, contagious.....															1					
Edema, cerebral.....												1								
" , gut.....																	1			
" , pulmonary.....				6				1												
Eimeria bovis.....				33																
" bukidnonensis.....				1																
" canis.....								1												
" crandallis.....				1											2					
" ellipsoidalis.....				2																
" faurei.....				1																
" intricata.....															2					
" ninakonyakimovae..															1					
" parva.....				1											1					
" sp.....				2											3					
" zurnii.....				18																
Emphysema.....				6				1												
Encephalitis.....				1																
" , bacterial...												1								
Endobronchitis.....				1																

Bacteriology, Parasitology, Pathology and Virology Report

Positive Findings	BAT	BEAR	CAT	CATTLE	CHICKEN	CHINCHILLA	DEER	DOG	ELK	GERBIL	GUINEA PIG	HORSE	MOUSE	RABBIT	SHEEP	SKUNK	SWINE	WATER	MISCELLANEOUS Specimen	MISCELLANEOUS No.
Enteritis				3													2			
Enterobacter aerogenes																	1			
" cloacae				1																
" hafniae				1													1			
Enterobacterium sp												1								
Enterotoxemia				1																
Enzootic Abortion of Ewes															1					
Ependymoma								1												
Eperythrozoon sp																	1			
Epidermophyton sp								1												
Erysipelothrix insidiosa				3													21			
" sp																	1			
Escherichia coli			4	603	6		2	5			1	15		1	18	1	101	1	Bird	2
" "																			Bison	2
" "																			Duck	1
" "																			Ferret	1
" "																			Floor Substance	1
" "																			Guinea hen	1
" "																			Hamster	2
" "																			Liver Sausage	1
" "																			Pheasant	6
" "																			Pigeon	1
" "																			Potatoe Salad	1
" "																			Quail	3
" "																			Silage	1
" "																			Turkey	1
" "																			Viscera	1
Eubacterium sp				1																
Fat, deposit in liver & kidney				1																
Fatty Degeneration				1								2								

Bacteriology, Parasitology, Pathology and Virology Report

Positive Findings	BAT	BEAR	CAT	CATTLE	CHICKEN	CHINCHILLA	DEER	DOG	ELK	GERBIL	GUINEA PIG	HORSE	MOUSE	RABBIT	SHEEP	SKUNK	SWINE	WATER	MISCELLANEOUS	
																			Specimen	No.
Fibrocystic Disease.....								1												
Fibroma.....			1	2			1					1								
Fibropapilloma.....				2																
Fibrosarcoma.....			1	2				2												
Fibrosis.....				3				4												
Flavobacterium sp.....				1																
Francesella tularensis...																			Beaver	1
Fungi.....			1					3												
Fusarium sp.....				1								1								
Gastritis.....			1																	
Glomerulonephritis.....								1												
Goiter.....				2											1					
Granuloma, inflammatory..								1												
Haemobartonella sp.....			1	1																
Haemonchus contortus.....															1		1			
Hamartoma.....				1																
Heart, failure.....				2				5							1		1			
Helminthosporium sp.....				1																
Hemangioma.....				1																
Hemangiopericytoma.....								1												
Hemangiosarcoma.....								2												
Hematology:																				
Complete blood count...			16	16	3		2	61				14							Bison	1
Differential blood count			16	14	1		2	61				14								
Glucose.....								7												
Hematocrit.....			16	15	3		2	61				14							Bison	1
Hemoglobin.....			16	15	3		2	61				14							Bison	1
Red blood count.....			9	4	1		1	36				7								
White blood count.....			19	15	3		2	61				14							Bison	1
Hemolysis.....				2																

Bacteriology, Parasitology, Pathology and Virology Report

Positive Findings	BAT	BEAR	CAT	CATTLE	CHICKEN	CHINCHILLA	DEER	DOG	ELK	GERBIL	GUINEA PIG	HORSE	MOUSE	RABBIT	SHEEP	SKUNK	SWINE	WATER	MISCELLANEOUS Specimen	MISCELLANEOUS No.
Hemophilus sp.....												1								
Hemorrhage.....				6													1			
" , brain.....				2																
" , internal.....																			Pheasant	1
" , pulmonary....				1				1												
Hepatitis.....				3				6							1		1		Crow	1
Hernia, diaphragmatic....																	1			
" , strangulated.....																	1			
Herpes virus.....								3												
Histiocytoma.....			1					2												
Hormodendrum compactum...								1												
Hyperkeratosis.....								1												
Hypoplasia.....								1												
" , cystic uterine								1												
Icterus.....																	1			
Infection, mid-ear.....														1						
Infectious Bovine Rhinotracheitis.....				46																
Inflamation.....								1				1							Falcon	1
" , chronic.....								1												
" , tissues.....				3																
Intimal Proliferation, aortic								1												
Isospora felis.....			1																	
Ixodes sp.....																			Tick	1
Kidney, failure.....								1												
" , infarction.....				1																
Klebsiella sp.....				1																
Lactobacillus sp.....			1	15								1			2		2			
Leptospira sp.....				23				3				1					5			
Leukoencephalomalacia....															1					

Bacteriology, Parasitology, Pathology and Virology Report

Positive Findings	BAT	BEAR	CAT	CATTLE	CHICKEN	CHINCHILLA	DEER	DOG	ELK	GERBIL	GUINEA PIG	HORSE	MOUSE	RABBIT	SHEEP	SKUNK	SWINE	WATER	MISCELLANEOUS	
																			Specimen	No.
Lice				3																
Lipoma								3												
Listeria monocytogenes				2																
" sp				2																
Liver, cirrhosis																	1			
" , normal							1													
Lymphosarcoma			2	2				1				1								
Malignant Catarrhal Fever				1																
Malnutrition				1																
Mastocytoma								2												
Melanoma				2				4					1							
Melanosarcoma								1												
Meningitis				4																
Meningoencephalitis				8													1			
" , thromboembolic				7																
Mesothelioma				1				1												
Microsporum canis			1																	
" cookei				1				1												
" sp												1								
Mima polymorpha				1																
Mites, chorioptic				2																
Mold				10								1								
Moniezia benedeni				1																
" sp				12											3					
Monilla sitophila			1																Silage	1
" sp				5																
Moraxella bovis				1																
Mucor sp				4								4								
Mulberry Heart Disease																	1			

Bacteriology, Parasitology, Pathology and Virology Report

Positive Findings	BAT	BEAR	CAT	CATTLE	CHICKEN	CHINCHILLA	DEER	DOG	ELK	GERBIL	GUINEA PIG	HORSE	MOUSE	RABBIT	SHEEP	SKUNK	SWINE	WATER	MISCELLANEOUS	
																			Specimen	No.
Musca domestica																			Larvae	1
Muscle, normal				1																
Muscular dystrophy															1					
Mycobacterium paratuberculosis				1																
" tuberculosis					3															
Myocardium, normal				5																
Myositis				1																
Neck, broken																			Guinea hen	1
Necrosis				3				3											Pheasant	1
Neisseria sicca															1					
" sp				1																
Nematodes																			Hawk	20
Nematodirus ficicouis															1					
" sp				20											6					
" spatlinger															1					
Neoplasm			1					2												
Nephritis			1	5								1								
Nephrosis				2	1			2												
Nigrospora sp												1								
Nocardia sp			2	6				1				2			1		1			
Normal																			Turkey	1
Osteoma												2								
Ostertagia circumcincta															1					
" sp															2					
Ovary, normal								1												
Panleucopenia			3																	
Panmalacia, diffuse				1																
Papilloma, oral								1												
Parainfluenza3				13																
Parascaris equorum												1								
Pasteurella hemolytica				37	1			1				1			2		2			

Bacteriology, Parasitology, Pathology and Virology Report

Positive Findings	BAT	BEAR	CAT	CATTLE	CHICKEN	CHINCHILLA	DEER	DOG	ELK	GERBIL	GUINEA PIG	HORSE	MOUSE	RABBIT	SHEEP	SKUNK	SWINE	WATER	MISCELLANEOUS Specimen	MISCELLANEOUS No.
Pasteurella multocida....			2	9											2		8			
Penicillium sp.....			3	5				2				1							Barley	1
" "																			Hay	1
" "																			Pheasant	1
Peritonitis.....			4	1								1					1		Goose	1
Perosis, slipped tendon..																			Turkey	1
Placentitis.....				3																
Pneumonia.....				9				2				1					2		Beaver	1
" , bacterial.....																	1			
Poison: Ammonium magnesium phosphate crystals.....								1												
Lead.....				2	1															
Salt.....																	1			
Polioencephalomalacia....				15																
Poor physical condition..															1					
Proteus mirabilis.....				37	2			3				3					33		Bird	2
" "																			Bison	1
" "																			Duck	1
" "																			Ferret	1
" "																			Mink	1
" "																			Quail	2
" "																			Rat	1
" "																			Turkey	1
" morganii.....				7											1		9			
" rettgerii.....				1													4		Quail	1
" sp.....				1															Meat Meal	2
" vulgaris.....			1	19								1					14		Quail	1
Providence sp.....				1													3			
" sp. Group B...																	2			

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Positive Findings	BAT	BEAR	CAT	CATTLE	CHICKEN	CHINCHILLA	DEER	DOG	ELK	GERBIL	GUINEA PIG	HORSE	MOUSE	RABBIT	SHEEP	SKUNK	SWINE	WATER	MISCELLANEOUS	
																			Specimen	No.
Providencia alcalifaciens																	1			
" stuartii				2																
Pseudomonas aeruginosa				1											1					
" maltaphilia				1								1								
" sp				16	1			2									14		Meat Meal	1
Pulmonary edema																	1			
" hemorrhage																	1			
" mycosis			1																	
Pyelonephritis				1																
Pyometra								1												
Rabies								1												
Reproductive tract, normal																	1			
Rhinitis, necrotic																	1			
Rhinopneumonitis												1								
Rhipicephalus sanquineus																			Tick	1
Rhizopus sp				4								1							Corn	1
" "																			Hay	1
" "																			Straw	1
Rhodoturula sp				1				1												
Salivary Duct, normal				1																
Salmonella anatum																		1	Meat Meal	5
" bredeney																	1			
" cubana																			Meat Meal	3
" derby																	1			
" eimsbuttel																			Meat Meal	5
" enteritidis																			Meat Meal	7
" infantis																			Meat Meal	2
" minnesota																			Meat Meal	5
" montevideo																			Meat Meal	11
" newington																			Meat Meal	1
" newport				3																

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Positive Findings	BAT	BEAR	CAT	CATTLE	CHICKEN	CHINCHILLA	DEER	DOG	ELK	GERBIL	GUINEA PIG	HORSE	MOUSE	RABBIT	SHEEP	SKUNK	SWINE	WATER	MISCELLANEOUS	
																			Specimen	No.
Salmonella rubislaw.....																	2			
" schwarzengrund																			Meat Meal	1
" senftenberg...																			Meat Meal	3
" sp.....				2	1							1							Meat Meal	1
" tennessee.....																			Meat Meal	1
" typhimurium...				7								2							Parrot	1
Sarcoid.....												1								
Sarcoma, reticulum cell..								1												
Scopulariopsis sp.....				1															Oat Hay	1
Seminoma.....								2												
Septicemia, neonatal.....				1																
Serous atrophy, fat.....															1					
Shipping fever.....				1																
Shock.....																			Pheasant	1
Skull, crushed.....			1																	
Spiurids.....																			Hawk	7
Squamous meloplasia.....				1																
Staphylococcus albus.....				1																
" aureus....			8	707	4		1	25				12			9		53		Bison	2
" "																			Chipmunk	1
" "																			Floor Substance	1
" "																			Haddock	1
" "																			Liver Sausage	2
" "																			Mink	1
" "																			Parakeet	1
" "																			Quail	1
" "																			Rat	1
" "																			Spaghetti Sauce	1
" "																			Turkey	2
" "																			Viscera	1
" epidermidis			1	8							1				1		2		Rat	1

Bacteriology, Parasitology, Pathology and Virology Report

Positive Findings	BAT	BEAR	CAT	CATTLE	CHICKEN	CHINCHILLA	DEER	DOG	ELK	GERBIL	GUINEA PIG	HORSE	MOUSE	RABBIT	SHEEP	SKUNK	SWINE	WATER	MISCELLANEOUS	
																			Specimen	No.
Staphylococcus sp.....				17													1			
Stillborn colt.....												1								
Streptococcus acidominimus				6				2				1					5			
" agalactiae..				1																
" anginosus...																	3			
" bovis.....				13											1		1			
" durans.....				5				1												
" equi.....												1					1			
" equinus.....				1													1			
" faecalis....				10								2					7			
" lactis.....												1								
" mitis.....				1								1					3			
" pyogenes....																	1			
" salivarius..			1	2													1			
" sanguis.....				3													2			
" sp.....			1	17				1									2			
" uberis.....				1																
" zooepidemicus												2								
Streptomyces sp.....				1				1									2			
Strigeid flukes.....																			Hawk	1
Strongyloides sp.....												3								
Strongylus sp.....				7								31			1					
" subtilis.....												1								
Taenia pisiformis.....								5												
" sp.....																			Tapeworm	1
Tendon, slipped.....																			Birds	2
Thermoposis rhambifolia..																			Seed Pod	1
Thyroid, normal.....				3																
Tissue, connective mass..												1								
" , fibrous.....				1																
Toxascaris leonina.....								1												

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Positive Findings	BAT	BEAR	CAT	CATTLE	CHICKEN	CHINCHILLA	DEER	DOG	ELK	GERBIL	GUINEA PIG	HORSE	MOUSE	RABBIT	SHEEP	SKUNK	SWINE	WATER	MISCELLANEOUS Specimen	MISCELLANEOUS No.
Toxascaris sp.....								1												
Toxoplasmosis.....			1																	
Trauma.....				1											2					
Trichoepithelioma.....								2												
Trichophyton equinum.....												1								
" sp.....			1																	
" yaoundei....								1												
Trichostrongylus sp.....				94											8					
Tuberculosis.....					1															
Tumor.....					1															
" , basal cell.....								4												
" , granulosa cell....				1																
" , malignant.....								1												
" , mammary.....								1												
" , mixed mammary.....								1												
" , perianal gland....								1												
" , sertoli cell.....								1												
Ulcer.....			1																Antelope	1
" , duodenal.....																	1			
Urinalysis.....			4	2				1											Bison	1
Vascular hypertrophy.....				1																
Vas deferens, normal.....				7																
Vibrio fetus, intestinalis				2																
" " , venerealis.				8																
" sp.....				1																
" venerealis.....				1																
Virus isolation.....				1																
Virus Pig Pneumonia.....																	7			
Vomiting & Wasting Disease.																	1			
Western Equine Encephalomyelitis.....												1								

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Positive Findings	BAT	BEAR	CAT	CATTLE	CHICKEN	CHINCHILLA	DEER	DOG	ELK	GERBIL	GUINEA PIG	HORSE	MOUSE	RABBIT	SHEEP	SKUNK	SWINE	WATER	MISCELLANEOUS Specimen	MISCELLANEOUS No.
White Muscle Disease.....				3											2					
Worms, hook.....								2												
" , mature.....				5								1			1					
Yeast.....				3																
Zygomycetes sp.....				1																
TOTAL POSITIVE FINDINGS	-0-	-0-	165	2938	43	1	16	555	1	-0-	4	219	1	3	124	1	517	3	Various	197

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NEGATIVE FINDINGS	BAT	BEAR	CAT	CATTLE	CHICKEN	CHINCHILLA	DEER	DOG	ELK	GERBIL	GUINEA PIG	HORSE	MOUSE	RABBIT	SHEEP	SKUNK	SWINE	WATER	MISCELLANEOUS	
																			Specimen	No.
Acid-Fast Bacilli.....				3	4			1												
Actinomyces sp.....								1				1								
Adenocarcinoma.....				1																
Anaplasma bodies.....				10																
" sp.....				1																
Atrophic Rhinitis.....																	159			
Bacillus anthracis.....				1																
" sp.....				18								1								
Bordetella bronchiseptica				719																
Borrelia sp.....																	1			
Bovine Virus Diarrhea....				192																
Brucella ovis.....															1					
" sp.....				6				1									1			
Clostridium sordellii....				14								1			1				Bison	1
" sp.....				57											5		1		Bison	1
" "																			Liver Sausage	1
Coccidium sp.....				1																
Corynebacterium sp.....																	1			
Dermatophilus sp.....				1								1								
Dermatophytes.....								1												
Dictyocaulus sp.....				1																
Dirofilaria immitis.....								16												
" sp.....								4												
Eimeria sp.....				3																
Encephalitis, viral.....												1								
Encephalomyelitis.....												3								
" , Venezuelan.....												2								
Enterotoxemia.....				51								1			13		2			
Enzootic Abortion of Ewes															4					

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Negative Findings	BAT	BEAR	CAT	CATTLE	CHICKEN	CHINCHILLA	DEER	DOG	ELK	GERBIL	GUINEA PIG	HORSE	MOUSE	RABBIT	SHEEP	SKUNK	SWINE	WATER	MISCELLANEOUS Specimen	MISCELLANEOUS No.
Enzootic Bovine Abortion.				2																
Equine Infectious Anemia.												4								
Erysipelothrix sp.....				1													54			
Escherichia coli.....				57	1		1					2			1		1		Haddock	1
Fasciola hepatica.....				1																
Fungi.....								2												
Growth.....			5	204	2			10				13		4	15	2	71	1	Canary	1
"																			Goat	1
"																			Injectable Iron	1
"																			Meat Meal	87
Haemobartonella sp.....			4					1												
Infectious Bovine Rhinotracheitis.....				207																
Leptospira sp.....				132				1				1			1		22		Bison	1
Lesion.....			1					1											Bird	4
" , microscopic.....				1																
Listeria sp.....				7															Silage	1
Lungworms.....				12																
Microfilaria sp.....								4												
Mites.....				18																
" , mange.....												1								
Mold.....				1				2												
Mycobacterium sp.....				3	2														Crow	1
" tuberculosis																			Bison	1
Nocardia sp.....								1												
Ova (Eggs).....			2	22	2			23				4			1		4			
" , embryonated.....								1												
Parainfluenza$_3$.....				55																
Parasite, external.....				1																
Parasitism.....																			Sparrow	1

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Negative Findings	BAT	BEAR	CAT	CATTLE	CHICKEN	CHINCHILLA	DEER	DOG	ELK	GERBIL	GUINEA PIG	HORSE	MOUSE	RABBIT	SHEEP	SKUNK	SWINE	WATER	MISCELLANEOUS Specimen	MISCELLANEOUS No.
Pasteurella sp.....				1																
Poison: Malathion.....																	1			
Oxalate.....								1												
Selenium.....				1																
Pseudomonas sp.....					1															
Psittacosis.....																			Parakeet	1
"																			Parrot	1
Rabies.....	19	2	40	17				55		3	1	4	17	3	2	22	1		Badger	2
"																			Chipmunk	3
"																			Coyote	5
"																			Fox	5
"																			Gopher	8
"																			Hamster	4
"																			Mink	1
"																			Muskrat	8
"																			Raccoon	9
"																			Rat	3
"																			Rodent	1
"																			Squirrel	3
"																			Vole	2
"																			Weasel	2
Rhodoturula sp.....			1																	
Salmonella sp.....			2	216	2		2	4			1	8		1	8		91	1	Bird	10
" "																			Bison	1
" "																			Haddock	2
" "																			Liver Sausage	1
" "																			Meat Meal	242
" "																			Pheasant	3
" "																			Potatoe Salad	1
" "																			Quail	1

Bacteriology, Parasitology, Pathology and Virology Report

Negative Findings	BAT	BEAR	CAT	CATTLE	CHICKEN	CHINCHILLA	DEER	DOG	ELK	GERBIL	GUINEA PIG	HORSE	MOUSE	RABBIT	SHEEP	SKUNK	SWINE	WATER	MISCELLANEOUS Specimen	MISCELLANEOUS No.
Salmonella sp.....																			Tomatoe Juice	1
" "																			Turkey	1
" "																			Viscera	1
Spirochetes.....																	1			
Staphylococcus aureus....				1																
Strongylus sp.....				1																
Toxic Material.....								1												
Trichinella spiralis.....																			Pork	1
Trichomonas fetus.....				7																
" sp.....				62																
Trichostrongylus sp.....				1																
Tuberculosis.....																	1			
Vibrio fetus.....				2																
" sp.....				447								2			24		1			
Virus Isolation.....				12																
Virus Pig Pneumonia.....				1													157			
Western Equine Encephalomyelitis.....												2								
Worms.....															1					
TOTAL NEGATIVE FINDINGS..	19	2	55	2572	14	-0-	3	131	-0-	3	2	52	17	8	77	24	570	2	Various	426

Bacteriology, Parasitology, Pathology and Virology Report

INCONCLUSIVE FINDINGS	BAT	BEAR	CAT	CATTLE	CHICKEN	CHINCHILLA	DEER	DOG	ELK	GERBIL	GUINEA PIG	HORSE	MOUSE	RABBIT	SHEEP	SKUNK	SWINE	WATER	MISCELLANEOUS	
																			Specimen	No.
Bovine Virus Diarrhea....				542																
Brisket Disease.....				1																
Enterotoxemia.....				13											2					
Infectious Bovine Rhinotracheitis.....				623																
Mites.....				1																
Parainfluenza3.....				93																
Toxins (Incomplete Study)				1																
Virus Isolation.....				1																
White Muscle Disease.....				1																
TOTAL INCONCLUSIVE FINDINGS	-0-	-0-	-0-	1276	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	2	-0-	-0-	-0-	None	-0-

CHEMICAL REPORT

BLOOD ANALYSES	CALCIUM			CAROTENE			MAGNESIUM			PHOSPHORUS			VITAMIN A		
	High	Norm.	Low	High	Norm.	Low	High	Norm.	Low	High	Norm.	Low	High	Norm.	Low
Bison		1						1		1					
Bovine	7	193	64		255	42	2	70	3	66	63	124	107	152	38
Equine	1	9	1		1	3	2	1	3	5	6	1	4		
Ovine	2		3		2		2	1		3		2		2	
Porcine	3	4	12	6	5			2		6	9		4	5	2
TOTAL BLOOD ANALYSES	13	207	80	6	263	45	6	75	6	81	78	127	115	159	40

NITRATE ANALYSES	FIT	QUESTIONABLE	UNFIT
Water	92	21	21
TOTAL NITRATE ANALYSES	92	21	21

PESTICIDE RESIDUE ANALYSES	POSITIVE	TRACE	NEGATIVE
Fat			1
Milk			170
TOTAL PESTICIDE RESIDUE ANALYSES	-0-	-0-	171

TOXICOLOGY ANALYSES	ARSENIC		COPPER		LEAD		STRYCHNINE	
	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.
Avian:								
Crop contents		1				1	1	2
Crop and intestinal contents								1
Stomach contents		1				1		
Intestinal contents								2

Toxicology Analyses (Continued)

	ARSENIC		COPPER		LEAD		STRYCHNINE	
	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.
Bovine:								
Blood					2			
Kidney		9			10	19		
Liver		11	2	1	12	25		
Milk								1
Stomach contents	3	58			13	49		9
Canine:								
Liver		3			2	2		
Stomach contents		16				11	19	20
Equine:								
Kidney		1			2	1		
Liver		1			1	2		
Muscle		1				1		1
Stomach contents		4				4	2	
Feline:								
Liver						1		
Stomach contents							1	2
Ovine:								
Carcasses		1				1	1	3
Feces		1				1		
Kidney		2			2	3		
Liver					2	1		
Stomach contents		2				2		
Porcine:								
Kidney		2			1	2		
Liver		1			3	2		
Stomach contents		10				9		1
Other:								
Bentonite		1				1		
Bones		1				1		2

Toxicology Analyses (Continued)

	ARSENIC		COPPER		LEAD		STRYCHNINE	
	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.
Other:(Continued)								
Dirt	1	3			1	2		1
Eggs							1	
Feed pellets		1				1		1
Golf ball center		1				1		
Grain		2				1		2
Grizzly bear stomach contents							1	
Hamburger		1					1	1
Meat							2	2
Oats		1				1		1
Paint					1			
Pipe dope		1						
Plant material		1				1		
Wood		2						1
TOTAL TOXICOLOGY ANALYSES	4	140	2	1	52	147	29	53

WATER ANALYSES

	FIT	QUESTIONABLE	UNFIT
Mineral content for livestock consumption	90	23	41
TOTAL WATER ANALYSES	90	23	41

MISCELLANEOUS ANALYSES

Urinary calculi	5
T O T A L A L L C H E M I C A L A N A L Y S E S	2,193

SEROLOGY REPORT

TEST	SPECIES	POSITIVE	NEGATIVE	SUSPICIOUS	TOTAL
Anaplasma CA	Cattle	3	254	22	279
" CF	Bison		10	1	11
" "	Cattle	126	4,565	223	4,914
" "	Deer		31		31
Brucella abortus agglutination	Bear		8		8
" " "	Bison		10	1	11
" " "	Cattle	177	124,743	1,657	126,577
" " " (card - field & market)	"	169	54,637		54,806
" " " (plate-field & market)	"	1	1,227	7	1,235
" " " (seminal plasma)	"		34		34
" " "	Deer		31		31
" " "	Dog		3		3
" " "	Elk		1		1
" " "	Goat		22		22
" " "	Horse	1	7	2	10
" " "	Moose		2		2
" " "	Sheep		2		2
" " "	Swine		290		290
" " " (card - diagnostic lab)	"		3,412		3,412
" " " (card - field & market)	"		2,043		2,043
" " " (plate-field & market)	"		1		1
" " " ring test	Cream		2,712	5	2,717
" " " " "	Milk		573	2	575
Leptospira canicola agglutination	Cattle		23		23
" " "	Dog		4		4
" " "	Swine		7		7
" grippotyphosa agglutination	Cattle		46		46
" " "	Swine		1		1
" hardjo agglutination	Cattle	1	198	11	210
" " "	Swine		7		7
" icterohemorrhagia agglutination	Cattle		3		3
" " "	Dog		4		4
" " "	Swine		1		1

Serology Report (Continued)

TEST	SPECIES	POSITIVE	NEGATIVE	SUSPICIOUS	TOTAL
Leptospira pomona agglutination	Bear		8		8
" " "	Cattle	35	1,062	549	1,646
" " "	Deer		32		32
" " "	Dog		4		4
" " "	Elk		1		1
" " "	Goat		6		6
" " "	Horse		7	8	15
" " "	Moose			2	2
" " "	Sheep			1	1
" " "	Swine		99	6	105
TOTAL SEROLOGY TESTS		513	196,131	2,497	199,141

OFFICIAL ANIMAL INSPECTIONS REPORT

SPECIES	NUMBER INSPECTED	
Cattle:		
Inspected for interstate shipment	957,525	
Inspected at livestock auction markets	971,020	
Backtagged	220,052	
Bled for brucellosis tests	31,607	
Tested for tuberculosis	19,566	
Miscellaneous inspections	7,162	
Total Cattle Inspections		2,206,932
Horses:		
Inspected for interstate shipment	8,209	
Inspected at livestock auction markets	5,661	
Miscellaneous inspections	2,164	
Total Horses Inspections		16,034
Sheep:		
Inspected for interstate shipment	302,890	
Inspected at livestock auction markets	232,438	
Miscellaneous inspections	39,886	
Total Sheep Inspections		575,214
Swine:		
Inspected for interstate shipment	1,676	
Inspected at livestock auction markets	212,566	
Miscellaneous inspections	1,765	
Total Swine Inspections		216,007
Poultry:		
Inspected for interstate shipment	6,132	
Miscellaneous inspections	6,900	
Total Poultry Inspections		13,032
Dogs and Miscellaneous Animals:		
Inspected for interstate shipment	2,579	
Miscellaneous inspections	1	
Total Dogs and Miscellaneous Animals Inspections		2,580
TOTAL OFFICIAL ANIMAL INSPECTIONS		3,029,799

ANIMALS IMPORTED INTO MONTANA

POINT OF ORIGIN	CATTLE	HORSES	SHEEP	SWINE	POULTRY	DOGS	CATS	MISC.	TOTAL
Alabama.....						3	2		5
Alaska.....		1				111	21	2	135
Arizona.....	463	283				24	1	9	780
Arkansas.....	50	8				9			67
California.....	4,433	116	5	1	25,000				29,555
Colorado.....	1,848	222		90	158	72	9	7	2,406
Florida.....	82	6				14	1	24	127
Georgia.....	119					7			126
Idaho.....	11,256	523	3,281	3,396		15	3	9	18,483
Illinois.....	125	5	2			10			142
Indiana.....				3		9	1		13
Iowa.....	379	19	185	2,373		25		9	2,990
Kansas.....	275	30			50	30	3	1	389
Kentucky.....	1	1							2
Louisiana.....	1,318					2			1,320
Maryland.....	1	5							6
Michigan.....	3	6				6			15
Minnesota.....	1,586	51	6	1,846		49		1	3,539
Mississippi.....	1,084	4				4			1,092
Missouri.....	106	11		4		10			131
Nebraska.....	1,419	57	13	1,903		34			3,426
Nevada.....	410	44				29	13	5	501
New Mexico.....	710	17				11			738
New Jersey.....	9								9
New York.....	18	1				1			20
North Carolina..						6			6
North Dakota....	20,500	341	4,326	1,625		19	2	5	26,818
Ohio.....	29	4		7		1			41
Oklahoma.....	240	28	1			9	2		280
Oregon.....	500	115	4,006			88	6	6	4,721
Pennsylvania....	9					1			10
South Carolina..						2			2
South Dakota....	7,839	186	9,491	4,075		18	2	11	21,622
Tennessee.....				1		4	1		6
Texas.....	13,633	53	804	1		19	3	9	14,522
Utah.....	2,472	197	11	6		25	7	1	2,719
Virginia.....		15							15
Vermont.....		4							4
Washington.....	4,779	432		48		130	7	2	5,398
West Virginia...		12							12
Wisconsin.....	2,567	16				27			2,610
Wyoming.....	19,018	467	4,923	268		23		14	24,713
Canada.....	8,412	969	757	4,522	1,900	5		22	16,587
TOTAL.....	105,693	4,249	27,811	20,169	27,108	852	84	137	186,103

OFFICIAL INSPECTIONS MADE AT MONTANA LIVESTOCK AUCTION MARKETS

MARKET LOCATION	CATTLE	HORSES	SHEEP	SWINE	TOTAL
Baker	15,915	27	4,363	18,457	38,762
Billings Commission	144,768	1,102	35,092	81	181,043
Billings Public	164,546	2,553	106,048	35,934	309,081
Bozeman	19,755	188	17,374	5,196	42,513
Butte	87,602	246	379	12,700	100,927
Dillon	1,159	-0-	9,475	404	11,038
Glasgow	55,670	-0-	7,319	38,533	101,522
Glendive	36,718	64	834	4,298	41,914
Great Falls	77,564	-0-	-0-	-0-	77,564
Hamilton	10,700	152	2,078	4,509	17,439
Havre	33,352	-0-	1,963	-0-	35,315
Kalispell	40,436	268	5,962	31,654	78,320
Lewistown	52,215	-0-	4,900	14,695	71,810
Miles City	37,540	107	162	390	38,199
Missoula	55,411	919	2,571	2,785	61,686
Shelby	21,011	35	223	-0-	21,269
Sidney	116,658	-0-	33,695	42,930	193,283
TOTAL INSPECTIONS	971,020	5,661	232,438	212,566	1,421,685

MONTANA VETERINARIANS' ANIMAL DISEASE REPORT

TYPE OF DISEASE	CATTLE		SHEEP		SWINE		HORSES		DOGS		POULTRY	
	Cases	Herds	Cases	Herds	Cases	Herds	Cases	Herds	Cases	Herds	Cases	Flock
BACTERIAL DISEASES												
Actinomycosis-Bacillosis	1,677	1,104										
Bacillary hemoglobinuria	236	189										
Blackleg	98	51										
Clostridium septicum			5	1								
" sordelli	10	1										
Coryza											50	1
Diphtheria	36	20										
Distemper							757	346				
Dysentery					50	1						
Edema, malignant	22	17										
Encephalitis: septic	1	1										
Enteritis, E. coli	650	55										
Enterotoxemia	71	22	120	27								
Erysipelas					571	60						
Foot-Rot	850	116	1,299	25								
Leptospirosis	171	50			1	1	2	2	114	113		
Listeriosis	3	1										
Mastitis	224	65										
Metritis, mastitis, algalactia (MMA)					1	1						
Orchitis			3	1								
Pneumonia	62	39	1	1								
Ram epididymitis			16	10								
Salmonella typhimurium	1	1										
Salmonellosis	100	1										
Thromboembolic meningoencephalitis	28	6										
Tetanus	9	6					1	1				
Tuberculosis											1	1
Vibriosis	379	13	100	1								
TOTAL BACTERIAL DISEASES	4,628	1,758	1,544	66	623	63	760	349	114	113	51	2

Montana Veterinarians' Animal Disease Report (Continued)

TYPE OF DISEASE	CATTLE		SHEEP		SWINE		HORSES		DOGS		POULTRY	
	Cases	Herds	Cases	Herds	Cases	Herds	Cases	Herds	Cases	Herds	Cases	Flock
NUTRITIONAL DISEASES												
Abortion, pine needle	68	7										
Atrophic rhinitis					241	100						
Avitaminosis A	500	1										
Grass tetany	6	6										
Greasy pig disease					15	1						
Photosensitization	10	3	1	1								
Polioencephalomalacia	24	7	1	1								
White muscle disease	55	22										
TOTAL NUTRITIONAL DISEASES	663	46	2	2	256	101						
PARASITIC DISEASES												
Helminthiasis	2,446	108										
Pediculosis			482	3								
Ringworm	9	2										
Sarcoptic scabies					10	1			1	1		
TOTAL PARASITIC DISEASES	2,455	110	482	3	10	1			1	1		
POISONING												
Bracken fern	9	1										
Endrin							5	1				
Larkspur	7	1										
Lead	3	1					1	1				
Nitrate					2	1						
Salt					12	1						
TOTAL POISONING	19	3			14	2	6	2				

Montana Veterinarians' Animal Disease Report (Continued)

TYPE OF DISEASE	CATTLE		SHEEP		SWINE		HORSES		DOGS		POULTRY	
	Cases	Herds	Cases	Herds	Cases	Herds	Cases	Herds	Cases	Herds	Cases	Flock
PROTOZOAN DISEASES												
Coccidiosis	4,871	506	125	1							200	1
Eperythrozoonosis					160	1						
TOTAL PROTOZOAN DISEASES	4,871	506	125	1	160	1					200	1
VIRAL AND RICKETTSIAL DISEASES												
Anaplasmosis	122	65										
Contagious ecthyma			276	35								
Distemper									1,572	1,523		
Encephalitis							1	1				
Encephalomyelitis							18	18				
Encephalomyelitis: sporadic	6	3										
Enteritis: corona	238	27										
" Reo	68	7										
Enzootic abortion of ewes			12	1								
Epizootic bovine abortion	23	16										
Infectious anemia							7	6				
" bronchitis											1	1
" hepatitis									132	131		
Influenza							837	491				
"Influenza syndrome"									30	30		
Lymphomatosis, visceral											3	1
Malignant catarrhal fever	1	1										
Parainfluenza$_3$	5	1										
Pneumonia					102	2						
Polyarthritis			5	1								
Posthitis			1	1								
Rhinotracheitis	2,756	106										
Shipping fever	7,212	498										

Montana Veterinarians' Animal Disease Report (Continued)

TYPE OF DISEASE	CATTLE		SHEEP		SWINE		HORSES		DOGS		POULTRY	
	Cases	Herds	Cases	Herds	Cases	Herds	Cases	Herds	Cases	Herds	Cases	Flock
Viral and Rickettsial Diseases (Continued)												
Transmissible gastroenteritis.....					1	1						
Virus diarrhea.....	579	70										
Warts.....	40	23										
TOTAL VIRAL AND RICKETTSIAL DISEASES.....	11,050	817	294	38	103	3	863	516	1,734	1,684	4	2
UNKNOWN ETIOLOGY												
Brisket edema.....	16	9										
Cancer eye.....	2,494	1,586										
Enteritis: non-specific.....	35	4										
Gut edema.....					24	4						
Infectious keratitis.....	784	99	300	1								
Pulmonary emphysema.....	558	244										
Septicemia: neo-natal.....	376	87										
Urolithiasis.....	1,561	972	3	3								
TOTAL UNKNOWN ETIOLOGY.....	5,824	3,001	303	4	24	4						
TOTAL ALL TYPES OF DISEASES.....	29,510	6,241	2,750	114	1,190	175	1,629	867	1,849	1,798	255	5

BRUCELLOSIS INFECTED HERDS

FISCAL YEAR	NUMBER OF INFECTED HERDS	PERCENT INFECTED HERDS IN MONTANA
First Area Test in Montana	2,434	7.96%
July 1, 1957	666	2.36%
July 1, 1958	357	1.24%
July 1, 1959	238	0.92%
July 1, 1960	135	0.56%
July 1, 1961	93	0.34%
July 1, 1962	49	0.16%
July 1, 1963	44	0.15%
July 1, 1964	36	0.14%
July 1, 1965	37	0.14%
July 1, 1966	30	0.12%
July 1, 1967	26	0.11%
July 1, 1968	14	0.07%
July 1, 1969	9	0.03%
July 1, 1970	13	0.06%
July 1, 1971	11	0.04%
July 1, 1972	7	0.02%

COUNTY DISTRIBUTION OF REMAINING BRUCELLOSIS INFECTED HERDS AS OF JUNE 30, 1972

COUNTY	NUMBER OF HERDS
Gallatin	1
Glacier	3
Missoula	1
Sheridan	1
Valley	1
TOTAL	7

BOVINE BRUCELLOSIS TEST RECORD

FISCAL YEAR	NUMBER TESTED	NUMBER REACTORS	PERCENT
1962	96,079	337	0.35%
1963	107,404	227	0.20%
1964	91,484	455	0.40%
1965	123,878	438	0.35%
1966	160,969	602	0.31%
1967	129,502	500	0.38%
1968	120,643	376	0.31%
1969	128,343	341	0.26%
1970	163,570	507	0.31%
1971	242,890	451	0.18%
1972	259,349	380	0.14%

BOVINE BRUCELLOSIS RING TEST RECORD -- MILK AND CREAM

FISCAL YEAR	NUMBER TESTED	NUMBER REACTORS	PERCENT
1962	10,609	78	0.73%
1963	10,085	50	0.49%
1964	12,805	41	0.32%
1965	13,411	54	0.32%
1966	10,969	37	0.34%
1967	9,765	41	0.42%
1968	8,180	27	0.30%
1969	8,152	11	0.13%
1970	3,810	6	0.13%
1971	4,237	18	0.42%
1972	5,761	14	0.24%

CALVES OFFICIALLY VACCINATED WITH BRUCELLA ABORTUS VACCINE -- STRAIN 19

YEAR	DOSES	YEAR	DOSES	YEAR	DOSES	YEAR	DOSES	YEAR	DOSES
1963	250,899	1965	267,367	1967	282,686	1969	231,782	1971	296,992
1964	297,002	1966	287,642	1968	240,890	1970	247,844	1972	257,932

VALIDATED BRUCELLOSIS-FREE SWINE HERDS

FISCAL YEAR	NUMBER OF HERDS
1963	0
1964	9
1965	9
1966	10
1967	11
1968	10
1969	15
1970	15
1971	19
1972	27

NUMBER OF CATTLE TESTED FOR TUBERCULOSIS

FISCAL YEAR	NUMBER OF CATTLE	NUMBER OF REACTORS	PERCENT
1963	22,886	5	0.02%
1964	18,072	2	0.01%
1965	11,587	5	0.04%
1966	14,383	2	0.01%
1967	17,485	3	0.01%
1968	17,285	1	0.005%
1969	16,809	1	0.005%
1970	23,122	0	-0-
1971	21,743	1	0.004%
1972	19,566	0	-0-

POSITIVE RABIES

DATE	TOWN	COUNTY	SPECIES	NUMBER
December 5, 1971	Ashland	Powder River	Canine	1
June 13, 1972	Raymond	Sheridan	Skunk	1

RABIES IN MONTANA ANIMALS

FISCAL YEAR	BADGER	BAT	CAT	CATTLE	DOG	SHEEP	SKUNK	TOTAL
1963								-0-
1964		1					2	3
1965		3		1			5	9
1966		1					15	16
1967		1		1		1	2	5
1968	1	4					6	11
1969		5		1			7	13
1970			1					1
1971		1		1			2	4
1972		1			1		1	3
TOTAL	1	17	1	4	1	1	40	65

OUT-OF-STATE BREEDERS HOLDING PERMITS TO IMPORT SEMEN FOR ARTIFICIAL INSEMINATION

All West Breeders..... Burlington, Washington

American Breeders Service, Inc.. DeForest, Wisconsin and Calgary, Alberta, Canada

B.C. Artificial Insemination Centre..... Milner, British Columbia

Canadian Stock Breeders Service, Ltd..... Winterburn, Alberta, Canada

Carnation Breeding Service..... Watertown, Wisconsin

Curtiss Breeding Service..... Cary, Illinois

International Beef Breeders..... Denver, Colorado

International Genes..... Minneapolis, Minnesota

Prairie Breeders..... Calgary, Alberta, Canada

Southern Breeders Ltd..... Lethbridge, Alberta, Canada

Western Breeders..... Balzac, Alberta, Canada

OFFICIAL INSPECTIONS AND LABORATORY TESTS OF MILK, MILK PRODUCTS, DAIRIES AND MILK PLANTS

OFFICIAL INSPECTIONS AND LABORATORY TESTS		NUMBER
Antibiotic detection tests		4,284
Bacterial counts		4,055
Brucella abortus ring tests		2,485
Chemical Analyses:		
General chemical	1,851	
Wisconsin Mastitis Tests	2,448	
Total Chemical Analyses		4,299
Coliform tests		4,320
Dairy inspections		1,182
Distributor facilities inspections		122
Milk plant equipment tests		92
Milk plant facilities inspections		100
Milk tank truck inspections		14
Pesticide residue analyses		171
Tuberculosis tests		8,250
TOTAL OFFICIAL INSPECTIONS AND LABORATORY TESTS		29,374

RETAIL RAW DAIRIES SANITATION COMPLIANCE RATINGS WITH MONTANA DEPARTMENT OF LIVESTOCK REGULATIONS

RETAIL RAW DAIRY CODE NUMBER	POUNDS SOLD DAILY	DAIRY SCORE
R-1	62	100%
R-2	1,108	97%
R-15	189	91%
R-21	255	91%
R-25	195	96%
R-34	688	93%
R-35	3,500	93%
TOTAL AND AVERAGE	5,997	94%

MILK PLANT SANITATION COMPLIANCE RATINGS WITH
MONTANA DEPARTMENT OF LIVESTOCK REGULATIONS

MILK PLANT CODE NUMBER	POUNDS SOLD DAILY	PLANT SCORE	PRODUCER'S SCORE	PASTEURIZED MILK RATING
25-1	25,000	97%	94%	95%
25-2	63,000	90%	94%	92%
25-4	6,900	94%	95%	94%
25-5	425	96%	96%	96%
25-7	34,700	93%	92%	92%
25-8	1,700	86%	87%	86%
25-10	66,000	98%	95%	97%
25-13	255	92%	97%	94%
25-15	850	97%	97%	97%
25-16	42,500	93%	94%	93%
25-18	105,000	94%	94%	94%
25-19	15,000	92%	97%	94%
25-20	14,000	95%	94%	94%
25-21	43,000	93%	94%	94%
25-25	25,000	92%	95%	93%
25-30	21,700	92%	95%	93%
25-32	60,000	93%	95%	94%
25-33	1,275	95%	93%	94%
25-36	682	93%	91%	92%
25-38	70,000	97%	95%	96%
25-39	1,200	100%	98%	99%
25-40	27,200	100%	94%	97%
25-43	1,137	90%	91%	90%
25-46	680	92%	94%	93%
25-47	66,700	93%	95%	94%
25-63	***	***	96%	96%
TOTAL AND AVERAGES.	693,904	94%	94%	94%

*** Bulk milk tank pick-up system -- no plant rating.